

AMENDMENTS TO THE CLAIMS

The following is a complete, marked up listing of revised claims with a status identifier in parentheses, underlined text indicating insertions, and strikethrough and/or double-bracketed text indicating deletions.

Listing of the Claims

1. (Currently Amended) A computer readable medium having a data structure for managing reproduction of data recorded on the computer readable medium, comprising:

a ~~first~~data area storing at least first and second clip stream files, the first clip stream file including video data representing as least one still image, the second clip stream file including at least audio data; and

a ~~second~~playlist area storing a playlist file, the playlist file including at least one playitem and at least one sub-playitem, the playitem indicating ~~at least a portion~~ in-point and out-point of the first clip stream file to reproduce the still image and providing display mode indicating whether to display the still image for one of a finite and an infinite period of time, the sub-playitem indicating ~~at least a portion~~ in-point and out-point of the second clip stream file to reproduce the audio data,

~~the second area storing at least one clip information file, the clip information file being associated with at least the first clip stream file, the clip information file providing a map for the first clip stream file, the map mapping duration information, presentation time information, or both to address information for each still image in the first clip stream file~~

wherein the playitem further includes the duration information indicating a length of time to display the still image when the display mode indicates to display the still image for a finite period of time.

2. (Currently Amended) The computer readable medium of claim 1, wherein ~~the playitem and the sub-playitem provide~~ includes for reproducing at least one still image and audio data, respectively, indicator indicating the playitem related to the sub-playitem such that ~~the still image and the audio data are~~ is played in association with synchronization with one another the still image.

3. (Canceled)

4. (Canceled)

5. (Previously Presented) The computer readable medium of claim 1, wherein the first clip stream file includes video data representing more than one still image; and

the playitem indicates to reproduce a number of the still images.

6. (Currently Amended) A method of recording a data structure for managing reproduction of data recorded on a recording medium, comprising:

recording at least first and second clip stream files on the recording medium, the first clip stream file including video data representing at least one still image, the second clip stream file including at least audio data;

recording a playlist file on the recording medium, the playlist file including at least one playitem and at least one sub-playitem, the playitem indicating ~~at least a portion~~ in-point and out-point of the first clip stream file to reproduce the still image and providing display mode indicating whether to display the still image for one of a finite and an infinite period of time, the sub-playitem indicating ~~at least a portion~~ in-point and out-point of the second clip stream file to reproduce the audio data; ~~and~~

~~recording at least one clip information file on the recording medium, the clip information file being associated with at least the first clip stream file, the clip information file providing a map for the first clip stream file, the map mapping duration information, presentation time information, or both to address information for each still image in the first clip stream file~~

wherein the playitem further includes the duration information indicating a length of time to display the still image when the display mode indicates to display the still image for a finite period of time.

7. (Currently Amended) A method of reproducing a data structure for managing reproduction of data recorded on a recording medium, comprising:

reproducing at least first and second clip stream files from the recording medium, the first clip stream file including video data representing at least one still image, the second clip stream file including at least audio data;

reproducing a playlist file from the recording medium, the playlist file including at least one playitem and at least one sub-playitem, the playitem indicating at least a portion in-point and out-point of the first clip stream file to reproduce the still image and providing display mode indicating whether to display the still image for one of a finite and an infinite period of time, the sub-playitem indicating at least a portion in-point and out-point of the second clip stream file to reproduce the audio data, and

~~reproducing at least one clip information file from the recording medium, the clip information file being associated with at least the first clip stream file, the clip information file providing a map for the first clip stream file, the map mapping duration information, presentation time information, or both to address information for each still image in the first clip stream file~~

wherein the playitem further includes the duration information indicating a length of time to display the still image when the display mode indicates to display the still image for a finite period of time.

8. (Currently Amended) An apparatus for recording a data structure for managing reproduction of data recorded on a recording medium, comprising:

an optical recording device configured to record data on the recording medium;

a controller configured to control the optical recording device to record at least first and second clip stream files, and a playlist file ~~and at least one clip information file~~ on the recording medium, the first clip stream file including video data representing at least one still image, the second clip stream file including at least audio data, the playlist file including at least one playitem and at least one sub-playitem, the playitem indicating ~~at least a portion~~ in-point and out-point of the first clip stream file to reproduce the still image and providing display mode indicating whether to display the still image for one of a finite and an infinite period of time, the sub-playitem indicating ~~at least a portion~~ in-point and out-point of the second clip stream file to reproduce the audio data, ~~the clip information file being associated with at least the first clip stream file, the clip information file providing a map for the first clip stream file, the map mapping duration information, presentation time information, or both to address information for each still image in the first clip stream file,~~

wherein the playitem further includes the duration information indicating a length of time to display the still image when the display mode indicates to display the still image for a finite period of time.

9. (Currently Amended) An apparatus for reproducing a data structure for managing reproduction of data recorded on a recording medium, comprising:

an optical reproducing device configured to reproduce data recorded on the recording medium;

a controller configured to control the optical reproducing device to reproduce at least first and second clip stream files, and a playlist file, ~~and at least one clip information file~~ from the recording medium, the first clip stream file including video data representing at least one still image, the second clip stream file including at least audio data, the playlist file including at least one playitem and at least one sub-playitem, the playitem indicating ~~at least a portion~~in-point and out-point of the first clip stream file to reproduce the still image and providing display mode indicating whether to display the still image for one of a finite and an infinite period of time, the sub-playitem indicating ~~at least a portion~~in-point and out-point of the second clip stream file to reproduce the audio data, ~~the clip information file being associated with at least the first clip stream file, the clip information file providing a map for the first clip stream file, the map mapping duration information, presentation time information, or both to address information for each still image in the first clip stream file~~

wherein the playitem further includes the duration information indicating a length of time to display the still image when the display mode indicates to display the still image for a finite period of time.

10. (Currently Amended) The method of ~~recording a data structure of claim 6,~~ wherein ~~the playitem and the sub-playitem provide~~ includes indicator indicating the playitem related to the sub-playitem ~~for reproducing at least one still image and audio~~

~~data, respectively, such that the still image and the audio data are~~is played in ~~synchronization~~association with ~~one another~~the still image.

11. (Canceled)

12. (Canceled)

13. (Currently Amended) The method ~~of recording a data structure of~~ claim 6, wherein the first clip stream file includes video data representing more than one still image; and

the playitem indicates to reproduce a number of the still images.

14. (Currently Amended) The method ~~of reproducing a data structure in of~~ claim 7, wherein ~~the playitem and the sub-playitem provide~~ includes indicator indicating the playitem related to the sub-playitem~~for reproducing at least one still image and audio data, respectively, such that the still image and the audio data are~~is played in ~~synchronization~~association with ~~one another~~the still image.

15. (Canceled)

16. (Canceled)

17. (Currently Amended) The method ~~of reproducing a data structure of~~ claim 7, wherein the first clip stream file includes video data representing more than one still image; and

the playitem indicates to reproduce a number of the still images.

18. (Currently Amended) The apparatus ~~for recording a data structure in of~~ claim 8, wherein ~~the playitem and the sub-playitem provide~~includes indicator indicating the playitem related to the sub-playitem ~~for reproducing at least still image and audio data, respectively, such that the still image and the audio data are~~is played in ~~synchronization~~association with ~~one another~~the still image.

19. (Canceled)

20. (Canceled)

21. (Currently Amended) The ~~method of recording a data structure~~apparatus of claim 8, wherein the first clip stream file includes video data representing more than one still image; and

the playitem indicates to reproduce a number of the still images.

22. (Currently Amended) The ~~method of recording a data structure in~~apparatus of claim 9, wherein ~~the playitem and the sub-playitem provide~~includes indicator indicating the playitem related to the sub-playitem ~~for reproducing at least one still image and audio data, respectively, such that the still image and the audio data are~~is played in ~~synchronization~~association with ~~one another~~the still image.

23. (Canceled)

24. (Canceled)

25. (Currently Amended) The ~~method of recording a data structure~~apparatus of claim 9, wherein the first clip stream file includes video data representing more than one still image; and

the playitem indicates to reproduce a number of the still images.

26. (New) The medium of claim 1, further comprising:

a clip information area storing first and second clip information files, the first clip information file being associated with the first clip stream file, the first clip information file including first mapping information between a presentation time and a unit of the first clip stream file, the second clip information file being associated with the second clip stream file, the second clip information file including second mapping information between a presentation time and a unit of the second clip stream file for the second clip stream file.

27. (New) The method of claim 6, further comprising:

recording first and second clip information files in a clip information area on the recording medium, the first clip information file being associated with the first clip stream file, the first clip information file including first mapping information between a presentation time and a unit of the first clip stream file, the second clip information file being associated with the second clip stream file, the second clip information file including second mapping information between a presentation time and a unit of the second clip stream file for the second clip stream file.

28. (New) The method of claim 7, further comprising:

reproducing first and second clip information files a clip information area from the recording medium, the first clip information file being associated with the first clip

stream file, the first clip information file including first mapping information between a presentation time and a unit of the first clip stream file, the second clip information file being associated with the second clip stream file, the second clip information file including second mapping information between a presentation time and a unit of the second clip stream file for the second clip stream file.

29. (New) The apparatus of claim 8, wherein the controller is configured to control the optical reproducing device to record first and second clip information files in a clip information area on the recording medium, the first clip information file being associated with the first clip stream file, the first clip information file including first mapping information between a presentation time and a unit of the first clip stream file, the second clip information file being associated with the second clip stream file, the second clip information file including second mapping information between a presentation time and a unit of the second clip stream file for the second clip stream file.

30. (New) The apparatus of claim 9, wherein the controller is configured to control the optical reproducing device to reproduce first and second clip information files in a clip information area on the recording medium, the first clip information file being associated with the first clip stream file, the first clip information file including first mapping information between a presentation time and a unit of the first clip stream file, the second clip information file being associated with the second clip stream file, the second clip information file including second mapping information between a presentation time and a unit of the second clip stream file for the second clip stream file.